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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/671,856 | 09/27/2000 | Naoaki Komiya | YKI-0050 | 6714 |

7590 05/04/2005

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| EXAMINER |
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NGUYEN, KIMNHUNG T

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| ART UNIT | PAPER NUMBER |
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2674

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/671,856

Applicant(s)

KOMIYA ET AL.

Examiner

Kimnhung Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/17/2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4 and 5 is/are rejected.
- 7) ☒ Claim(s) 2,3 and 6 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This application has been examined. The claims 1-6 are pending. The examination results are as following.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 4-5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

3. Claims 4-5 recites the limitation "said constant voltage" in line 14. There is insufficient antecedent basis for this limitation in the claim.

Claim Objections

4. Claims 1-6, on every word "capacitance" should replace with -- capacitor- -. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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6. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Sato (US 5,235,253).

Sato disclose in figure 2 an active matrix type electroluminescence display device comprising a plurality of display pixels arranged in a matrix of rows and columns, each of the display pixels including an electroluminescence element CEL to which one end of a capacitance for maintaining a voltage corresponding (see ground level) to a display signal is connected; and a capacitance line extending each row and connected to and shared by the other end of the capacitance of the display pixels; wherein the constant voltage V_a is supplied from both ends of the capacitance line (because the voltage V_a should have an inherent supply from another side of capacitance lines).

Allowable Subject Matter

7. Claims 2-3 would be allowed if overcome objection as discussed above.

Claim 6 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is an examiner's statement of reasons for allowance: The present invention is directed to an active matrix type electroluminescence display device comprising a plurality of pixels, each including an electroluminescence element arranged in a matrix of rows and columns, a first thin film transistor in which a display signal is applied to the drain and which is switched on and off in response to a select signal, a capacitance having one end connected to the source of the first thin film transistor and for maintaining a voltage corresponding to the display signal and

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a second thin film transistor for driving the electroluminescence element based on the display signal; and a capacitance lines extending each row and connected to and shared by the other end of the capacitance of the display pixels; and a second capacitance line connected to first ends of said plurality of first capacitance lines. The closest prior art, Sato (5,235,253) discloses a similar system an active matrix type electroluminescence, he also discloses a first thin film transistor in which a display signal is applied to the drain and which is switched on and off in response to select signal, a capacitance having one end connected to the source of the first thin film transistor and for maintaining a voltage corresponding to the display signal and a second thin film transistor for driving the electroluminescence element based on the display signal; and a capacitance lines extending each row and connected to and shared by the other end of the capacitance of the display pixels; and a second capacitance line connected to first ends of said plurality of first capacitance lines. However, he fail to teach a second capacitance line connected to first ends of said plurality of first capacitance lines, wherein said second and third capacitance are connected to a common constant voltage source, and said constant voltage is supplied to said first ends and said second ends of plurality of first capacitance lines through said second and third capacitance lines; a plurality of second capacitance lines connected to and shared by both ends of plurality of first capacitance lines; wherein a constant voltage is supplied to said second capacitance lines as claims 2-3 and 6.

Response To Arguments

8. Applicant's argument filed on 11-17-04 has been fully considered but they are not persuasive.

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Applicant argues that Sato does not teach a constant voltage is supplied from both ends of said capacitance lines. Examiner has disagreed with that, because Sato discloses in fig. 2 should have an inherent V_a also supplied from another side of capacitance lines.

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on (571) 272-7603. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimnhung Nguyen
April 21, 2005



ALEXANDER EISEN
PRIMARY EXAMINER
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